



FALL CREEK ENVIRONMENTAL
INC.

WDRF

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VANGUARD PROPERTIES, CO.

JAN 12 1994

January 10, 1994

Mr. Charles S. Seel
Chief Executive Officer
VANGUARD PROPERTIES CO.
1150 Kerron Street
Winlock, WA 98596

NO COPIES NEEDED

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of pages 4

To COLLETTA D. FARRAR	From TIM HUNTING
Co. E & E	Co. LAI
Dept. 281001.20	Phone # 778-0907
Fax # 621-9832	Fax # 778-6409

Re: Wetland Delineation

Dear Mr. Seel:

We have completed the wetland delineation of your property located in Winlock, Washington, and have forwarded a map of our flag locations to Gibbs & Olson. Once they have completed the survey of the wetland areas, we will meet with them to verify their surveyed delineation map.

WETLAND A

This wetland appears to be just over two acres and is bordered on the west boundary by Olequa Creek. The wetland is an "emergent class", with the dominant vegetation being by reed canary grass. This wetland meets the criteria of a Category III wetland (Department of Ecology Wetland Rating System). Although this is a relatively degraded wetland, it appears to be situated within the floodplain of Olequa Creek, suggesting that development of this area would be difficult at best and probably prohibited. However, the degraded nature of the wetland provides an opportunity for mitigation for possible impacts to Wetland C through wetland restoration.

WETLAND B

Wetland B is located between Olequa Creek on the west side and a steep slope on the east side. It appears to be approximately 3-5 acres. This wetland is classified as high quality forested wetland (over 1 acre), having irreplaceable ecological functions. The forest is made up of a mixture of evergreen and deciduous trees over 50 years in age with an additional layering of 20'-49' trees and 6'-10' tall shrubs, and an herbaceous ground cover. This wetland meets the criteria of a Category I wetland (Department of Ecology Wetland Rating System) and it also appears to fall within the floodplain of the Olequa Creek. Due to the nature and location of this high-quality wetland system, any planned intrusion into the wetland is not recommended, both from an ecological standpoint as well as regulatory.

USEPA SF



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Spectrum Glass
January 10, 1994
Page 2

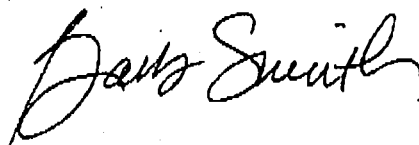
WETLAND C

This wetland is located just north and east of the Spectrum Glass plant and west of the Railroad corridor. It appears to be less than an acre in size, and it is fed by seeps emerging from the slope to the west of the railway. Wetland C is classified as a mixture of scrub/shrub and forested wetland classes. The wetland appears to have undergone various disturbances in the past, including grading, clearing and refuse disposal. This wetland meets the criteria of a Category III wetland (Department of Ecology Wetland Rating System). We are not particularly concerned about the past disturbances to this wetland, however, if expansion of the existing facility is planned for this area, impacts to the wetland will probably have to be mitigated. This could be done by performing restoration to Wetland A, such as replanting the area with native tree species with the goal of restoring the area to a forested wetland system.

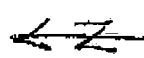
Also be advised that any wetland fill must first be approved by the Regulatory Branch of the U.S. Army Corps of Engineers in Seattle, unless a local governmental body assumes jurisdiction with approval from the Corps. The Corps would require a full wetland delineation and analysis report, and a wetland mitigation plan, which are not included in the scope of this work. We have collected the necessary field data and would be available to complete a wetland report and mitigation plan if requested by you. We estimate the cost of producing the delineation report at \$500-\$750, and the cost of producing a mitigation plan at \$600-\$800. The cost of implementing the mitigation cannot be estimated until development plans are known.

Thank you for allowing us to be of service to you in this matter, and please do not hesitate to contact us if you have any questions or if you require additional services.

Very truly yours,
FALL CREEK ENVIRONMENTAL, INC.



Barb Svinth

SCALE $\frac{1}{2}$ 1" = 100